
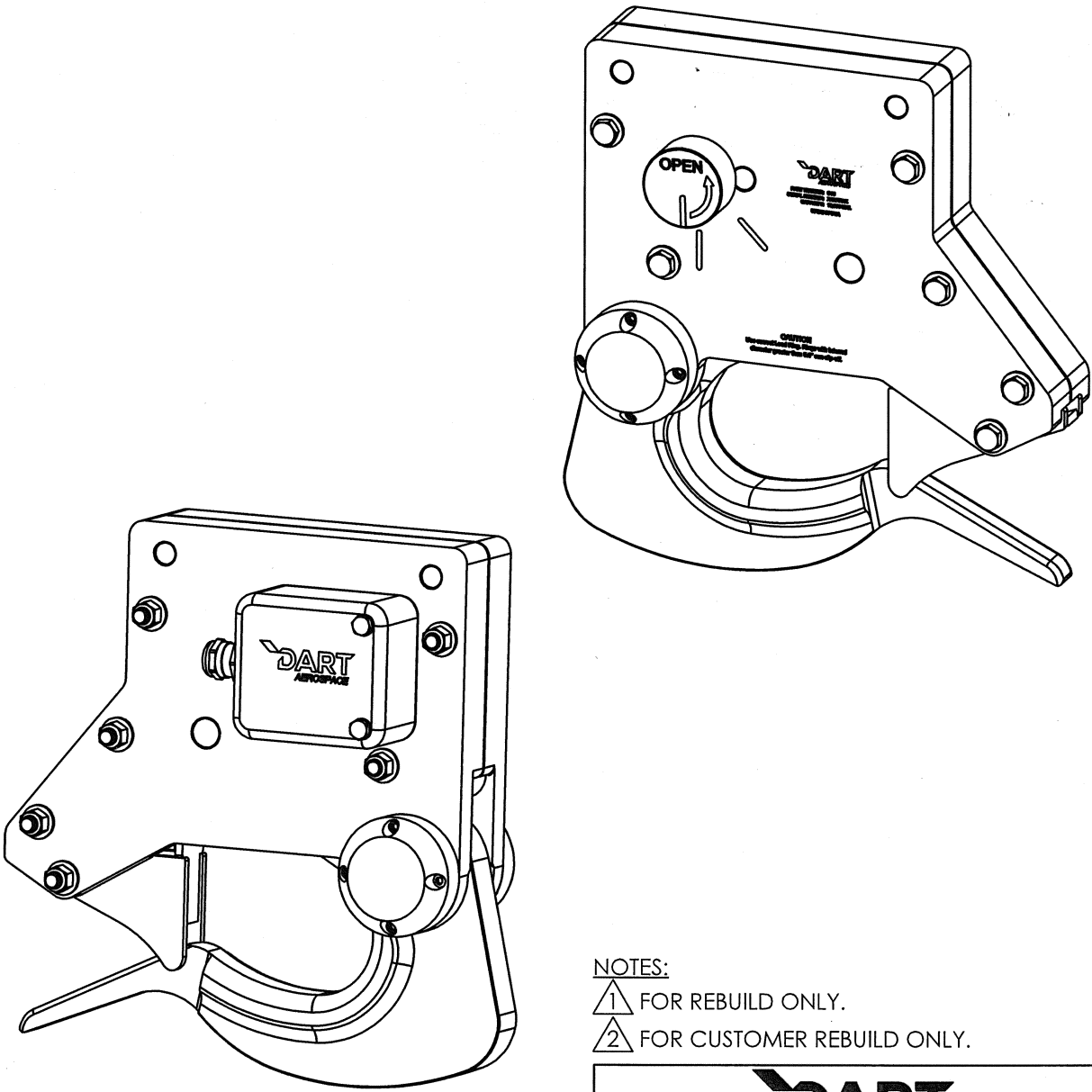


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
SEE ATTACHED DEVIATION

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			C10-1	1	SIDE PLATE SOLENOID SIDE			2
			C10-2	1	SIDE PLATE - MRK			2
			C10-3	1	LOAD BEAM BUMPER			3
			C10-4	1	LOCK	4140/4142		3
			C10-4-2	1	LOWER LOCK ROLLER	4140 /4142		3
			C10-4-3	1	UPPER LOCK ROLLER	4140/4142		3
			C10-4-4	1	UPPER LOCK ROLLER SHAFT	4140/4142		3
			C10-4-5	1	LOWER LOCK ROLLER SHAFT	4140/4142		3
		B/O	C10-4-6	1	LOCK SPRING	STEEL	Ø1/4 X Ø.029 WIRE X 2-1/2, 3.36 LB MAX, 1.27 LBS/IN (MCMaster-CARR #9654K115)	3
		B/O	C10-4-7	1	SPRING RETAINING PIN	STEEL	Ø3/16 X 1-1/8 (MCMaster-CARR #98381A511)	3
			C10-4-8	2	LOCK BUSHING	4140/4142		3
		B/O	C10-4-9	1	UPPER ROLLER DU BEARING		(06DU12)	3
		B/O	C10-4-10	2	SPRING ANCHOR SPRING PIN	STEEL	Ø3/16 X 1-3/4 (MCMaster-CARR #90692A729)	3
			C10-4-11	1	LOCK SHAFT	4140/4142		3
		B/O	C3-12-6	2	LOCK ROLLER RETAINING RING	STEEL	Ø 3/8 (KAMAN #5100-0037-SPP)	3
		B/O	C45-12-6	2	RETAINING RING	STEEL	(KAMAN #N1400-0050)	3
			C10-5A	1	LOAD BEAM ASSEMBLY			2
		B/O	C10-7	3	LOCATING PIN	STEEL	Ø1/4 X 1-1/4 (MCMaster-CARR #98381A544)	3
			C10-8	2	TRUNNION BUSHING	4140/4142		2
			C10-9-1	1	LATCH	4140/4142		3
		B/O	C10-9-2	1	LATCH BEARING		(TORRINGTON #6NBC914YZP)	3
			C10-9-4	2	LATCH SHAFT BUSHING	4140/4142		3
			C10-9-5	1	LATCH SHAFT	4140/4142		3
		B/O	C10-9-6	2	LATCH RETURN SPRING	STEEL	Ø3/8 X Ø.035 WIRE X 2.25, 3.80 LB MAX, 1.25 LBS/IN (MCMaster-CARR #9654K193)	3
			C10-10-1	1	ACTUATOR SHAFT	4140/4142		3
		B/O	C10-10-2	1	ACTUATOR PIN	STEEL	Ø1/4 X 1-1/2 (MCMaster-CARR #98296A930)	3
		B/O	C10-10-3	2	ACTUATOR BUSHING		(KAMAN #SF-2028-10)	3
			C10-11	1	MANUAL RELEASE KNOB	6061		2
			C10-12	1	SOLENOID ASSY			2
			C45-8-4	1	SOLENOID COVER GASKET	BLENDED RUBBER		2
			C45-8-5	1	SOLENOID COVER	6061		2
			C10-21-1	2	CLOCK SPRING	301		2
			C10-21-2	2	SPRING COVER	6061		2
		B/O	C10-21-4	8	LOCK WASHER	STEEL	# 10 LOCK WASHER (MCMaster-CARR #91102A740)	2
			C10-22	3	BUMPER	POLYURETHANE		3
			C10-23	1	KEEPER WELDMENT			2
			C10-23-1	1	KEEPER SPACER	1018/1020		2
		B/O	C10-23-2	1	KEEPER SPRING	SS 303	Ø.102 X 12 DENDOFF	2
			C10-23-3	2	KEEPER BUSHING	SINTERED BRONZE	(SYMMCO SS-2028-32) MODIFIED	2
		B/O	C10-41	1	STRAIN RELIEF CONNECTOR	BRASS	1/2 TRADE SIZE (MCMaster-CARR #6907K14)	2
		B/O	188-FPSS-1032-1/4	2	SET SCREW	S.S.	10-32 X 1/4 (MCMaster-CARR #94355A330)	3
		B/O	188-FPSS-1/4 20-3/8	2	SET SCREW	S.S.	1/4-20 (MCMaster-CARR #92313A535)	2
		B/O	188-SHCS-1032-3/4	8	BOLT	STEEL	SHCS 10-32 X 3/4 (MCMaster-CARR #90128A945)	2
		B/O	AN4-24A	2	BOLT	STEEL	1/4-28 X 2.53	2
		B/O	AN6-31A	6	BOLT	STEEL	3/8-24	2
		B/O	AN960-416	3	WASHER	STEEL	1/4	2
		B/O	AN960-416L	2	WASHER	STEEL	Ø1/4	2
		B/O	AN960-616L	12	WASHER	STEEL	Ø3/8	2
		B/O	MS21083N4	2	NYLOCK NUT	STEEL	1/4-28 LOW PROFILE	2
		B/O	MS21044N6	6	LOCK NUT	STEEL	3/8-24	2
		B/O	MS27039-4-08	1	SCREW	STEEL	1/4-28 X 17/32	2
			600.1309	1	LABEL 	ALUMINUM		N/S
			600.1309-A	1	LABEL 	ALUMINUM		N/S
		B/O	600.1347	1	C10 WARNING LABEL 	VINYL	SIGNS NOW	N/S
		B/O	C2-14-2	2	LABEL RIVETS 	18-8 S.S.	NO 4 (MCMaster-CARR #91654A106)	N/S
		B/O	EL-PLUG-M	1	MALE PLUG	PE High Density	(MCMaster-CARR #7216K5)	2
			EL314-SJTOW	1	ELECTRICAL WIRE 3/14 SJTOW			2
		B/O	32448	2	16-14 AWG KNIFE CONNECTOR		(ALLIED ELECTRONICS 32448)	2
		B/O		1	HEAT SHRINK TUBE	RUBBER	(MCMaster-CARR #2595K2)	N/S

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	14-0219	DELETED C2-14-2, 600.1309, 600.1347.	11/20/2014	RJC	JAG
2	15-0072	UPDATED TO NEW DRAFTING STANDARDS. ADDED C2-14-2, 600.1309, 600.1309-A, 600.1347, 32448 DELETED. CH'D P/N'S WAS C10-4-12 IS C3-12-6, WAS C10-4-13 IS C45-12-6, WAS C10-12-2 IS MS21083N4, WAS C10-24 IS AN960-616L. ADDED REBUILD ONLY NOTES. ADDED ENGRAVING NOTES AND DETAILS.	3/31/2015	DPD	JAG
3	15-0254	C10-9-3 REPLACED W/ 188-FPSS-1032-1/4. C10-11-1 REPLACED W/ 188-FPSS-1/4 20-3/8. C10-21-3 REPLACED W/ 188-SHCS-1032-3/4. 32446 REPLACED W/ 32448.	9/9/2015	DPD	JAG
D		P/N WAS AN4-23A IS AN4-24A AND DESCRIPTION WAS 1/4-28 X 2.41 IS 1/4-28 X 2.53	5/07/2019	MBB	



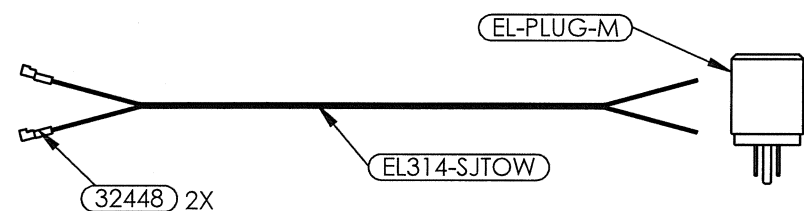
- NOTES:
- 1 FOR REBUILD ONLY.
 - 2 FOR CUSTOMER REBUILD ONLY.

	
TITLE C10 HOOK ASSEMBLY	
DWG NO. C10	REV D
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: CANAM APPROVED  HEAT TREAT FINISH SPEC 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SCALE 1:4	DATE SHEET 1 OF 4

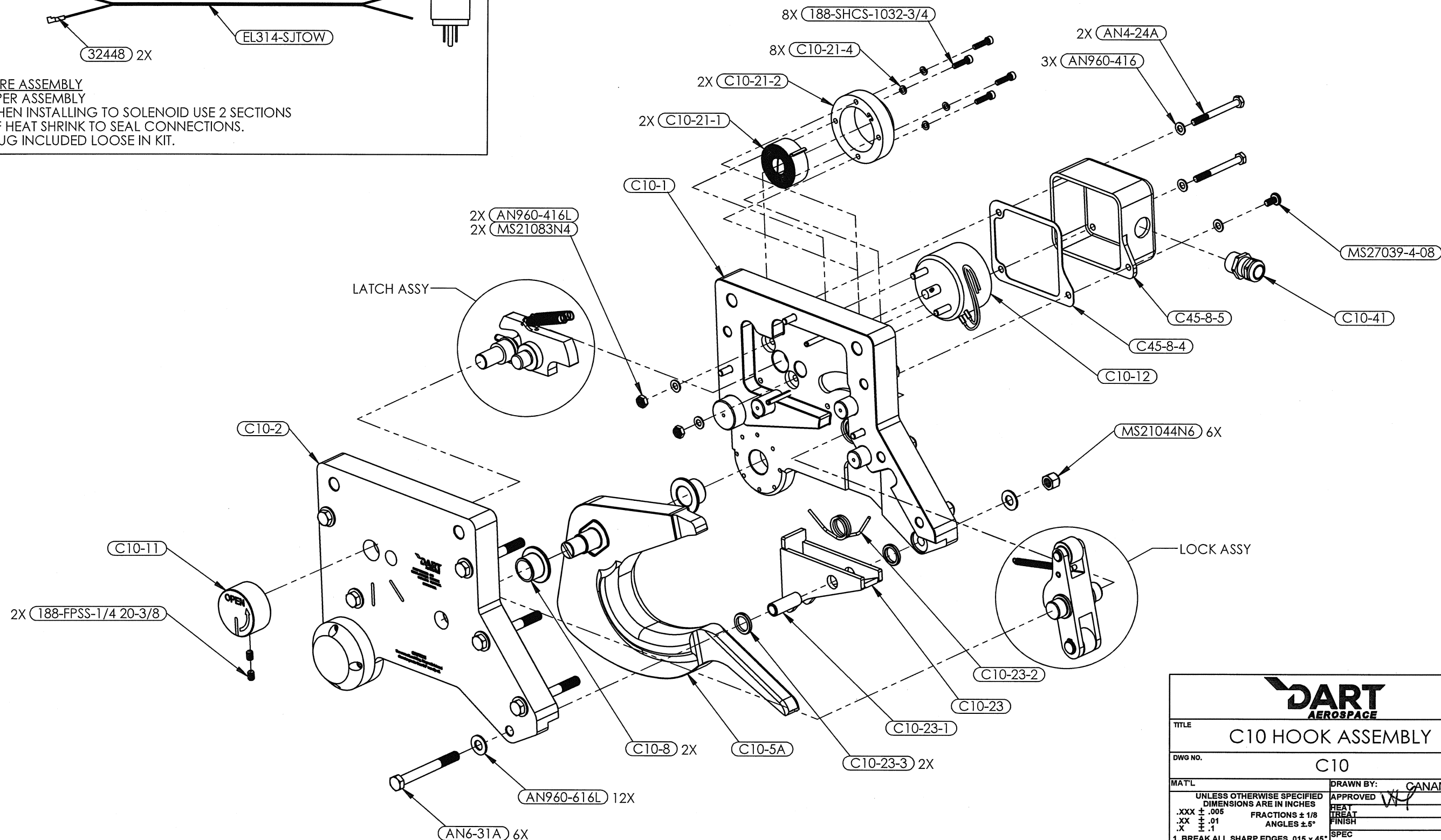
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	14-0219	DELETED C2-14-2, 600.1309, 600.1347.	11/20/2014	RJC	JAG

SEE ATTACHED DEVIATION



WIRE ASSEMBLY
1 PER ASSEMBLY
WHEN INSTALLING TO SOLENOID USE 2 SECTIONS
OF HEAT SHRINK TO SEAL CONNECTIONS.
PLUG INCLUDED LOOSE IN KIT.

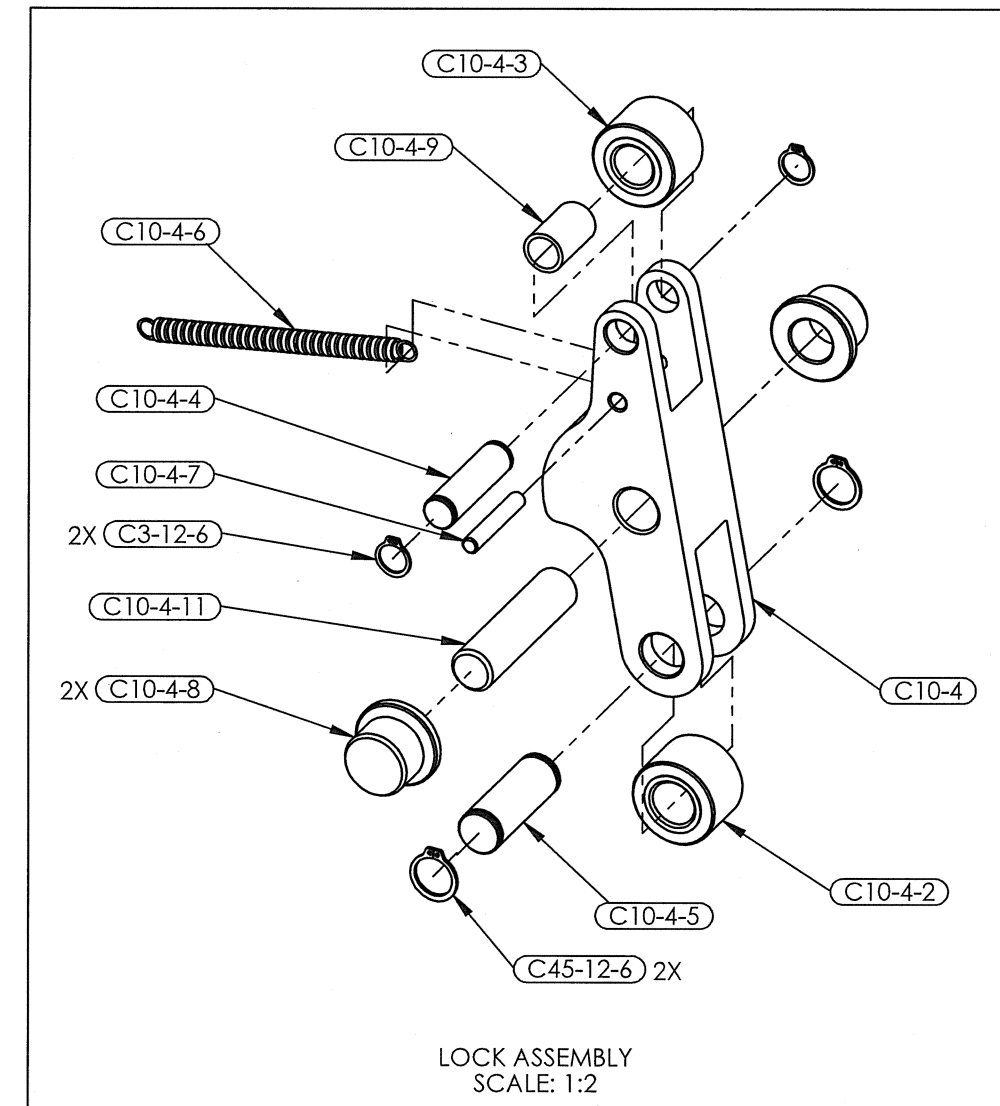
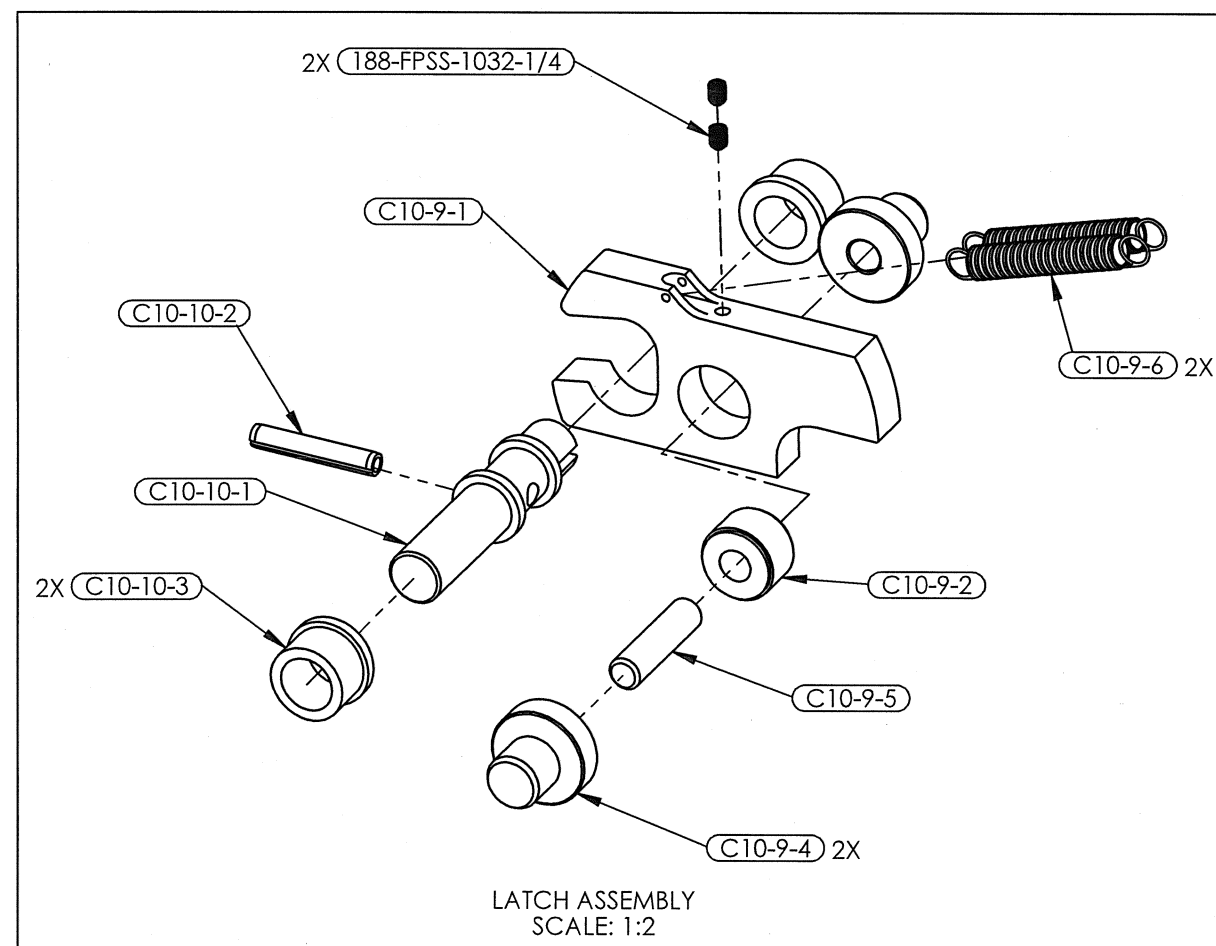
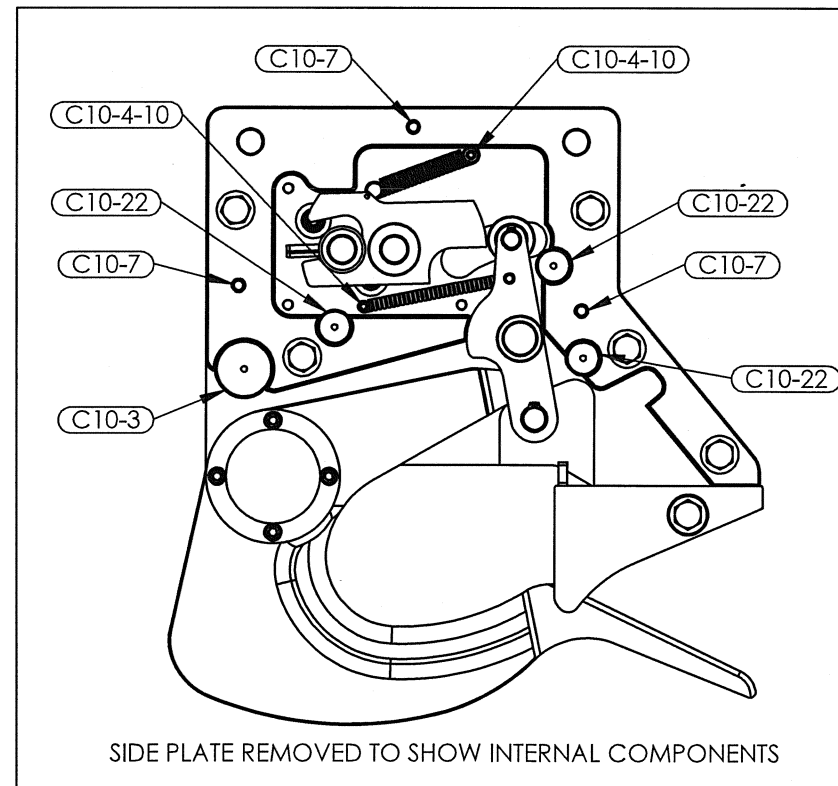


DART AEROSPACE	
TITLE C10 HOOK ASSEMBLY	
DWG NO. C10	REV D
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: CANAM APPROVED: [Signature] HEAT TREAT FINISH SPEC USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE SHEET 2 OF 4

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED

SEE ATTACHED DEVIATION



DART AEROSPACE	
TITLE C10 HOOK ASSEMBLY	
DWG NO. C10	REV D
MAT'L	DRAWN BY: CANAM
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/8
.XX ± .01	ANGLES ± .5°
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE
SHEET 3 OF 4	

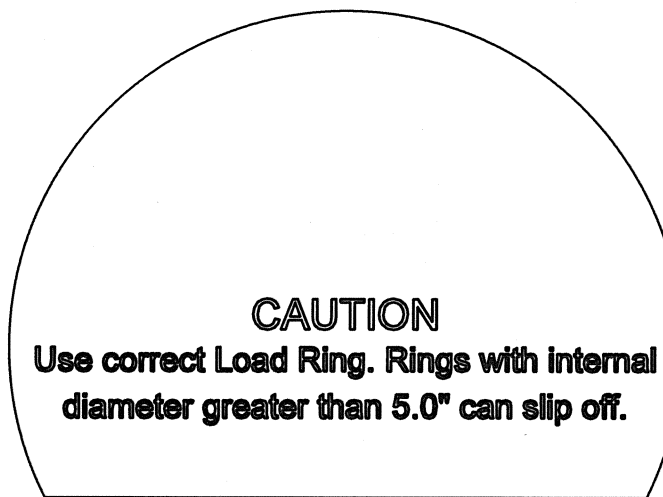
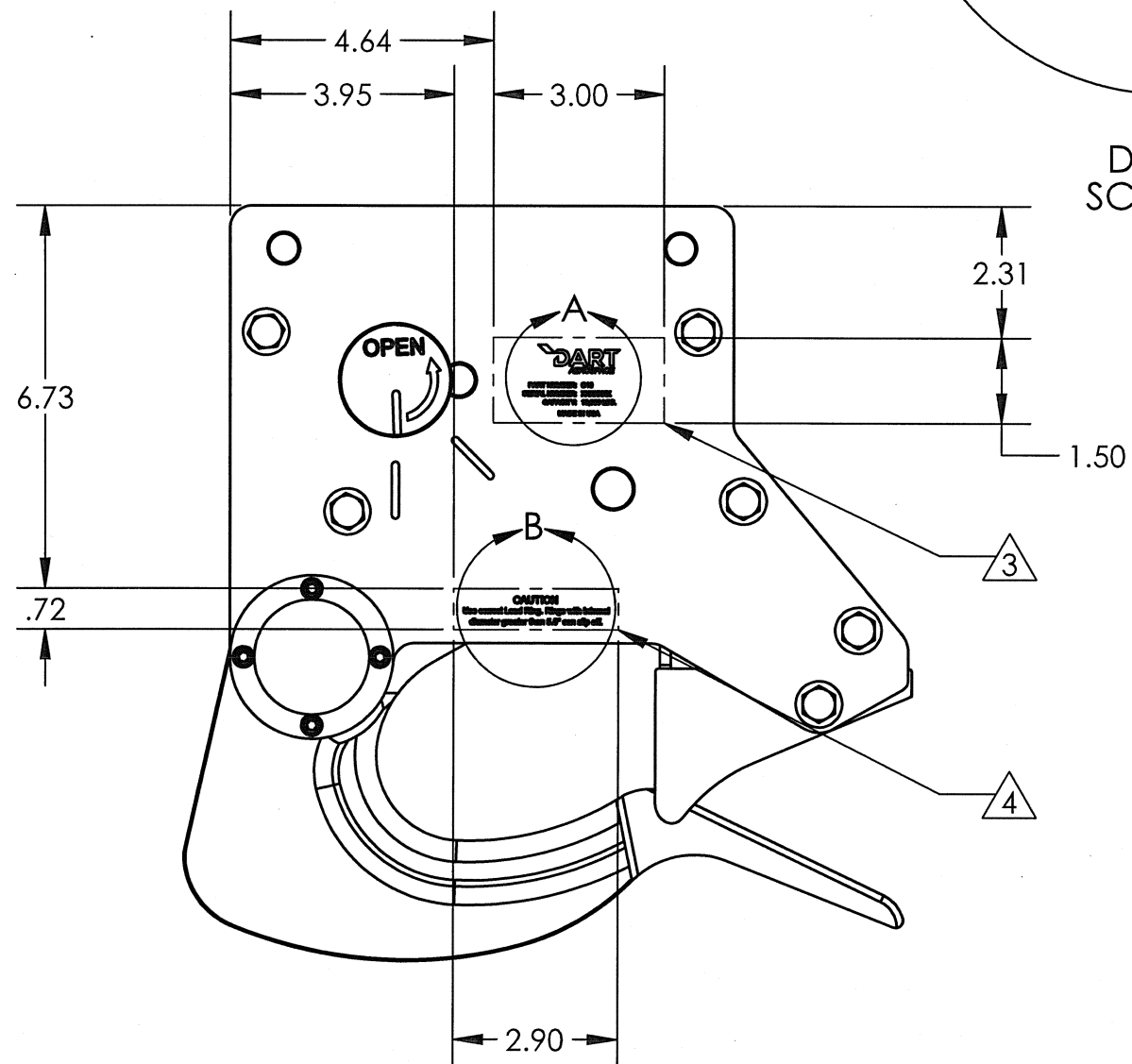
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0072	ADDED ENGRAVING NOTES AND DETAILS.	3/31/2015	DPD	JAG

SEE ATTACHED DEVIATION



DETAIL A
SCALE 1 : 1



DETAIL B
SCALE 1 : 1

NOTES:

- 3 LASER ENGRAVE DART LOGO, P/N, S/N, "MADE IN USA," WITHIN BOUNDARY.
- 4 LASER ENGRAVE CAUTION NOTE, WITHIN BOUNDARY.

DART AEROSPACE	
TITLE C10 HOOK ASSEMBLY	
DWG NO. C10	REV D
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: CANAM APPROVED: [Signature] HEAT TREAT FINISH SPEC USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE SHEET 4 OF 4

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. <u>C series hooks and SWA Swivels</u>	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>	DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Cross tube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> </div> <div> Eng. (Non-AW) <input checked="" type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/> Supplier <input type="checkbox"/> Quality <input type="checkbox"/> </div> </div>			
Date :	Sequence #:	QTY Affected :		MRB (QSI042) May, 9 2019 <i>M. Lee</i>	
Description Work Order Deviation		Disposition		Completed By	
The electrical wires listed under "Acceptable Alternate Wire" on the attached sheet are acceptable to use in place of the "Drawing Specified Wire"		This deviation is acceptable. No change to fit form or function. The job route must specify the wire that is called out on the drawing The inventory P/N must reflect the same P/N that was received from a vendor		Lead hand / Supervisor 	
				QC / QA Coordinator 	
Root Cause		FAULT CATEGORY			
<div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input checked="" type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div>		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Bending <input type="checkbox"/> Crushing <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Mislabeled </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Incomplete/Unclear Instructions <input type="checkbox"/> Drill Holes <input type="checkbox"/> Fit/Function </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain Direction <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Off-set/Set-up </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Outside Tolerance <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Misread </div> </div>			

P/N	Revision	Drawing Specified Wire	Acceptable Alternate Wire
C2	2	MIL-C-27500 11-14416	N/A
C3	2	MIL-C-27500 11-14417	N/A
C10	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C15	2	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C20	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C45	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C60	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C250	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-4	3	EL 414-ARTIC 4/14	Texcan 01121-744A5
SWA6A-2	E	Texcan 01121-724AM	N/A
SWA6A-3	E	Texcan 01121-734A5 or 01004-08-047	N/A
SWA6A-4	E	Texcan 01121-744A5	N/A
SWA6A-6	E	Texcan 04121-764A5	N/A
SWA6A-8	E	Texcan 12701-08-014 or McMaster 7081K38	N/A
SWA10A-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-4	3	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA10A-6	3	EL 616 ARTIC	Texcan 04121-764A5
SWA10A-8	3	Polar Wire 30806	Texcan 12701-08-014 or McMaster 7081K38
SWA15A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA15A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SWA15A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38
SAW25A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SAW25A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SAW25A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38